

Ryan

CRF Errors Corrected by the STIC System Branch

1641  
1/10/2000

Serial Number: 09/147,036

CRF Processing Date :  
Edited by:  
Verified by: AC (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☒ Deleted extra, invalid, headings used by an applicant, specifically:  
(A) NAME:
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;  
☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/147,036DATE: 01/11/2000  
TIME: 17:00:38

INPUT SET: S34418.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

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2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Maurer, Jochen  
6 Jose, Joachim  
7 Meyer, Thomas F.  
8  
9 (ii) TITLE OF INVENTION: Export Systems for recombinant Proteins  
10  
11 (iii) NUMBER OF SEQUENCES: 41  
12  
13 (iv) CORRESPONDENCE ADDRESS:  
14 (A) ADDRESSEE: NIKAIDO, MARMELSTEIN, MURRAY & ORAM LLP  
15 (B) STREET: 655 Fifteenth St., N.W., Suite 300, G St. Lobby  
16 (C) CITY: Washington  
17 (D) STATE: DC  
18 (E) COUNTRY: USA  
19 (F) ZIP: 20005-5701  
20  
21 (v) COMPUTER READABLE FORM:  
22 (A) MEDIUM TYPE: Floppy disk  
23 (B) COMPUTER: IBM PC compatible  
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
25 (D) SOFTWARE: PatentIn Release #1.0  
26  
27 (vi) CURRENT APPLICATION DATA:  
28 (A) APPLICATION NUMBER: 09/147,036  
29 (B) FILING DATE: 15-DEC-1998  
30 (C) CLASSIFICATION:  
31  
32 (vii) PRIOR APPLICATION DATA:  
33 (A) APPLICATION NUMBER: PCT/EP96/01130  
34 (B) FILING DATE: 15-MAR-1996  
35  
36 (viii) ATTORNEY/AGENT INFORMATION:  
37 (A) NAME: Berman, Richard J.  
38 (B) REGISTRATION NUMBER: 39,107  
39 (C) REFERENCE/DOCKET NUMBER: 564-8019  
40  
41 (ix) TELECOMMUNICATION INFORMATION:  
42 (A) TELEPHONE: 202-638-5000  
43 (B) TELEFAX: 202-638-4808  
44  
45  
46 (2) INFORMATION FOR SEQ ID NO: 1:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/147,036DATE: 01/11/2000  
TIME: 17:00:38

INPUT SET: S34418.raw

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49 (A) LENGTH: 36 base pairs  
50 (B) TYPE: nucleic acid  
51 (C) STRANDEDNESS: single  
52 (D) TOPOLOGY: linear  
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58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
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65 (A) LENGTH: 27 base pairs  
66 (B) TYPE: nucleic acid  
67 (C) STRANDEDNESS: single  
68 (D) TOPOLOGY: linear  
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74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
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78 (2) INFORMATION FOR SEQ ID NO: 3:  
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81 (A) LENGTH: 30 base pairs  
82 (B) TYPE: nucleic acid  
83 (C) STRANDEDNESS: single  
84 (D) TOPOLOGY: linear  
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97 (A) LENGTH: 30 base pairs  
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99 (C) STRANDEDNESS: single

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/147,036DATE: 01/11/2000  
TIME: 17:00:39

INPUT SET: S34418.raw

100 (D) TOPOLOGY: linear  
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105  
106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
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110 (2) INFORMATION FOR SEQ ID NO: 5:  
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113 (A) LENGTH: 45 base pairs  
114 (B) TYPE: nucleic acid  
115 (C) STRANDEDNESS: single  
116 (D) TOPOLOGY: linear  
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122 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
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129 (A) LENGTH: 852 base pairs  
130 (B) TYPE: nucleic acid  
131 (C) STRANDEDNESS: both  
132 (D) TOPOLOGY: linear  
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137 (A) NAME/KEY: CDS  
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147 AAT GAC GGG CAA AAT AAA ACA ACA ACC AAT CAG TTT ATC AAT CAG CTC 96  
148 Asn Asp Gly Gln Asn Lys Thr Thr Thr Asn Gln Phe Ile Asn Gln Leu  
149 20 25 30  
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151 GGG GGG GAT ATT TAT AAA TTC CAT GCT GAA CAA CTG GGT GAT TTT ACC 144  
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# RAW SEQUENCE LISTING PATENT APPLICATION US/09/147,036

DATE: 01/11/2000

TIME: 17:00:39

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161	65	70	75	80
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163	GGG GTA TAC GGT ACG TGG TAT CAG AAT GGG GAA AAT GCA ACA GGG CTC			288
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165		85	90	95
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168	Phe Ala Glu Thr Trp Met Gln Tyr Asn Trp Phe Asn Ala Ser Val Lys			
169	100	105	110	
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171	GGT GAC GGA CTG GAA GAA GAA AAA TAT AAT CTG AAT GGT TTA ACC GCT			384
172	Gly Asp Gly Leu Glu Glu Glu Lys Tyr Asn Leu Asn Gly Leu Thr Ala			
173	115	120	125	
174				
175	TCT GCA GGT GGG GGA TAT AAC CTG AAT GTG CAC ACA TGG ACA TCA CCT			432
176	Ser Ala Gly Gly Gly Tyr Asn Leu Asn Val His Thr Trp Thr Ser Pro			
177	130	135	140	
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179	GAA GGA ATA ACA GGT GAA TTC TGG TTA CAG CCT CAT TTG CAG GCT GTC			480
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184	Trp Met Gly Val Thr Pro Asp Thr His Gln Glu Asp Asn Gly Thr Val			
185	165	170	175	
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187	GTG CAG GGA GCA GGG AAA AAT AAT ATT CAG ACA AAA GCA GGT ATT CGT			576
188	Val Gln Gly Ala Gly Lys Asn Asn Ile Gln Thr Lys Ala Gly Ile Arg			
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203	CAG GGA GAG ATA AAG ACA GGT ATT GAA GGG GTG ATT ACT CAA AAC TTG			768
204	Gln Gly Glu Ile Lys Thr Gly Ile Glu Gly Val Ile Thr Gln Asn Leu			
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# RAW SEQUENCE LISTING PATENT APPLICATION US/09/147,036

DATE: 01/11/2000  
TIME: 17:00:39

INPUT SET: S34418.raw

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218       (i) SEQUENCE CHARACTERISTICS:
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220           (B) TYPE: amino acid
221           (D) TOPOLOGY: linear
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223       (ii) MOLECULE TYPE: protein
224       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
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235   Leu Gly Ile Met Gly Gly Tyr Ala Asn Ala Lys Gly Lys Thr Ile Asn
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238   Tyr Thr Ser Asn Lys Ala Ala Arg Asn Thr Leu Asp Gly Tyr Ser Val
239     65               70               75               80
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241   Gly Val Tyr Gly Thr Trp Tyr Gln Asn Gly Glu Asn Ala Thr Gly Leu
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244   Phe Ala Glu Thr Trp Met Gln Tyr Asn Trp Phe Asn Ala Ser Val Lys
245               100              105              110
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247   Gly Asp Gly Leu Glu Glu Glu Lys Tyr Asn Leu Asn Gly Leu Thr Ala
248               115               120              125
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250   Ser Ala Gly Gly Gly Tyr Asn Leu Asn Val His Thr Trp Thr Ser Pro
251     130              135              140
252
253   Glu Gly Ile Thr Gly Glu Phe Trp Leu Gln Pro His Leu Gln Ala Val
254   145               150               155               160
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256   Trp Met Gly Val Thr Pro Asp Thr His Gln Glu Asp Asn Gly Thr Val
257               165               170               175
258

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PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/147,036**

DATE: 01/11/2000  
TIME: 17:00:40

*INPUT SET: S34418.raw*

Line

Error

Original Text

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/147,036DATE: 01/11/2000  
TIME: 01:14:30

INPUT SET: S34418.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: ↑  
6 ~~(A) NAME:~~ Maurer, Jochen  
7 Jose, Joachim  
8 Meyer, Thomas F.  
9  
10 (ii) TITLE OF INVENTION: Export Systems for recombinant Proteins  
11  
12 (iii) NUMBER OF SEQUENCES: 41  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: NIKAIDO, MARMELSTEIN, MURRAY & ORAM LLP  
16 (B) STREET: 655 Fifteenth St., N.W., Suite 300, G St. Lobby  
17 (C) CITY: Washington  
18 (D) STATE: DC  
19 (E) COUNTRY: USA  
20 (F) ZIP: 20005-5701  
21  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0  
27  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER: 09/147,036  
30 (B) FILING DATE: 15-DEC-1998  
31 (C) CLASSIFICATION:  
32  
33 (vii) PRIOR APPLICATION DATA:  
34 (A) APPLICATION NUMBER: PCT/EP96/01130  
35 (B) FILING DATE: 15-MAR-1996  
36  
37 (viii) ATTORNEY/AGENT INFORMATION:  
38 (A) NAME: Berman, Richard J.  
39 (B) REGISTRATION NUMBER: 39,107  
40 (C) REFERENCE/DOCKET NUMBER: 564-8019  
41  
42 (ix) TELECOMMUNICATION INFORMATION:  
43 (A) TELEPHONE: 202-638-5000  
44 (B) TELEFAX: 202-638-4808  
45  
46

Does Not Comply  
Corrected Diskette Needed



RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/147,036DATE: 01/11/2000  
TIME: 01:14:30

INPUT SET: S34418.raw

47 (2) INFORMATION FOR SEQ ID NO: 1:  
48  
49 (i) SEQUENCE CHARACTERISTICS:  
50 (A) LENGTH: 36 base pairs  
51 (B) TYPE: nucleic acid  
52 (C) STRANDEDNESS: single  
53 (D) TOPOLOGY: linear  
54  
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58  
59 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
60  
61 TGTA AACGA CGCCAGTAT CACGAGGCC TTTTCGT 36  
62  
63 (2) INFORMATION FOR SEQ ID NO: 2:  
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65 (i) SEQUENCE CHARACTERISTICS:  
66 (A) LENGTH: 27 base pairs  
67 (B) TYPE: nucleic acid  
68 (C) STRANDEDNESS: single  
69 (D) TOPOLOGY: linear  
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74  
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
76  
77 GGAAGATCTG CCTCAGAAAT GAGGGCC 27  
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79 (2) INFORMATION FOR SEQ ID NO: 3:  
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81 (i) SEQUENCE CHARACTERISTICS:  
82 (A) LENGTH: 30 base pairs  
83 (B) TYPE: nucleic acid  
84 (C) STRANDEDNESS: single  
85 (D) TOPOLOGY: linear  
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91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
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93 CATGGTACCA GCGTTTTAT TATTCCTAC 30  
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95 (2) INFORMATION FOR SEQ ID NO: 4:  
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97 (i) SEQUENCE CHARACTERISTICS:  
98 (A) LENGTH: 30 base pairs  
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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/147,036DATE: 01/11/2000  
TIME: 01:14:30

INPUT SET: S34418.raw

100 (C) STRANDEDNESS: single  
101 (D) TOPOLOGY: linear  
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107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
108  
109 CGGGGTACCC TTAATCCTAC AAAAGAAAGT 30  
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111 (2) INFORMATION FOR SEQ ID NO: 5:  
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113 (i) SEQUENCE CHARACTERISTICS:  
114 (A) LENGTH: 45 base pairs  
115 (B) TYPE: nucleic acid  
116 (C) STRANDEDNESS: single  
117 (D) TOPOLOGY: linear  
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123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
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125 AAGGGTACCT TTGAAATACT CCGGAGTAAT ATTTTGGAGG TGTTTC 45  
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127 (2) INFORMATION FOR SEQ ID NO: 6:  
128  
129 (i) SEQUENCE CHARACTERISTICS:  
130 (A) LENGTH: 852 base pairs  
131 (B) TYPE: nucleic acid  
132 (C) STRANDEDNESS: both  
133 (D) TOPOLOGY: linear  
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137 (ix) FEATURE:  
138 (A) NAME/KEY: CDS  
139 (B) LOCATION:1..852  
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146 1 5 10 15  
147  
148 AAT GAC GGG CAA AAT AAA ACA ACA ACC AAT CAG TTT ATC AAT CAG CTC 96  
149 Asn Asp Gly Gln Asn Lys Thr Thr Thr Asn Gln Phe Ile Asn Gln Leu  
150 20 25 30  
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# RAW SEQUENCE LISTING PATENT APPLICATION US/09/147,036

DATE: 01/11/2000  
TIME: 01:14:31

INPUT SET: S34418.raw

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162	65 70 75 80	
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169	Phe Ala Glu Thr Trp Met Gln Tyr Asn Trp Phe Asn Ala Ser Val Lys	
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173	Gly Asp Gly Leu Glu Glu Glu Lys Tyr Asn Leu Asn Gly Leu Thr Ala	
174	115 120 125	
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176	TCT GCA GGT GGG GGA TAT AAC CTG AAT GTG CAC ACA TGG ACA TCA CCT	432
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186	165 170 175	
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188	GTG CAG GGA GCA GGG AAA AAT AAT ATT CAG ACA AAA GCA GGT ATT CGT	576
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190	180 185 190	
191		
192	GCA TCC TGG AAG GTG AAA AGC ACC CTG GAT AAG GAT ACC GGG CGG AGG	624
193	Ala Ser Trp Lys Val Lys Ser Thr Leu Asp Lys Asp Thr Gly Arg Arg	
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202	225 230 235 240	
203		
204	CAG GGA GAG ATA AAG ACA GGT ATT GAA GGG GTG ATT ACT CAA AAC TTG	768
205	Gln Gly Glu Ile Lys Thr Gly Ile Glu Gly Val Ile Thr Gln Asn Leu	

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/147,036

DATE: 01/11/2000  
TIME: 01:14:31

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209 Ser Val Asn Gly Gly Val Ala Tyr Gln Ala Gly Gly His Gly Ser Asn
210          260          265          270
211
212 GCC ATC TCC GGA GCA CTG GGG ATA AAA TAC AGC TTC      852
213 Ala Ile Ser Gly Ala Leu Gly Ile Lys Tyr Ser Phe
214          275          280
215
216
217 (2) INFORMATION FOR SEQ ID NO: 7:
218
219 (i) SEQUENCE CHARACTERISTICS:
220 (A) LENGTH: 284 amino acids
221 (B) TYPE: amino acid
222 (D) TOPOLOGY: linear
223
224 (ii) MOLECULE TYPE: protein
225 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
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227 Ala Ser Val Trp Met Lys Ile Thr Gly Gly Ile Ser Ser Gly Lys Leu
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230 Asn Asp Gly Gln Asn Lys Thr Thr Thr Asn Gln Phe Ile Asn Gln Leu
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234 35 40 45
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236 Leu Gly Ile Met Gly Gly Tyr Ala Asn Ala Lys Gly Lys Thr Ile Asn
237 50 55 60
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239 Tyr Thr Ser Asn Lys Ala Ala Arg Asn Thr Leu Asp Gly Tyr Ser Val
240 65 70 75 80
241
242 Gly Val Tyr Gly Thr Trp Tyr Gln Asn Gly Glu Asn Ala Thr Gly Leu
243 85 90 95
244
245 Phe Ala Glu Thr Trp Met Gln Tyr Asn Trp Phe Asn Ala Ser Val Lys
246 100 105 110
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248 Gly Asp Gly Leu Glu Glu Glu Lys Tyr Asn Leu Asn Gly Leu Thr Ala
249 115 120 125
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251 Ser Ala Gly Gly Gly Tyr Asn Leu Asn Val His Thr Trp Thr Ser Pro
252 130 135 140
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254 Glu Gly Ile Thr Gly Glu Phe Trp Leu Gln Pro His Leu Gln Ala Val
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257 Trp Met Gly Val Thr Pro Asp Thr His Gln Glu Asp Asn Gly Thr Val
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PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/147,036**

DATE: 01/11/2000  
TIME: 01:14:31

**INPUT SET: S34418.raw**

Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: Maurer, Jochen